

# **INDEX OF NON-GOVERNMENT STANDARDS ON HUMAN ENGINEERING DESIGN CRITERIA AND PROGRAM REQUIREMENTS/GUIDELINES**



**VERSION 3  
OCTOBER 1, 2002**

## **HUMAN FACTORS STANDARDIZATION SUBTAG TECHNICAL SOCIETY/INDUSTRY SUBGROUP**

**DEPARTMENT OF DEFENSE  
HUMAN FACTORS ENGINEERING  
TECHNICAL ADVISORY GROUP**



## TABLE OF CONTENTS

<u>SUBJECT</u>	<u>PAGE</u>
Background	i
Version 1	i
Version 2	i
Version 3	ii
Content and Format	ii
Listing of Standards	iii
Listing of Draft Standards	v
Organizational Abbreviations	v
Subject Index	v
Table of Standards	1
Table of Draft Standards	30
Organizational Abbreviations	31
Subject Index	33

# **Index of Non-Government Standards on Human Engineering Design Criteria and Program Requirements/Guidelines**

## **BACKGROUND**

### **Version 1 (1995)**

Discussions regarding specifications and standards reform were prominent topics at Department of Defense Human Factors Engineering Technical Advisory Group (DoD HFE TAG) meetings during the mid-1990s. A subject receiving considerable attention was the anticipated increased citation of non-government standards (NGS) in solicitations and contracts, and use of such standards during application work. During one of these discussions at a Technical Society/Industry (TS/I) SubTAG meeting, it was suggested that a listing or index of contemporary human engineering NGS would be of considerable value to both government and contractor human factors practitioners. Accordingly, the TS/I SubTAG prepared a preliminary index to accommodate the need and submitted it to the DoD HFE TAG during its 35<sup>th</sup> meeting in November 1995. Since that time, this *Index* was printed and distributed by the MATRIS Office of the Defense Technical Information Center.

### **Version 2 (1997)**

As follow-up, the TS/I SubTAG, during its session held in conjunction with the 37<sup>th</sup> meeting of the DoD HFE TAG (November 1996), concluded that the *Index* was serving a useful purpose and identified over one hundred additions and changes. The second version of the *Index* was presented to the DoD HFE TAG at its 38<sup>th</sup> meeting in May 1997. Building upon the initial version, Version 2:

- incorporated additions, deletions, and changes reflecting recent non-government standards bodies catalogs, document listings, and program reports,
- incorporated changes to annotations of applicable document citations by human factors documents that were revised since the 1995 version,
- identified the non-government standards that have been adopted by DoD,
- expanded the listing of applicable documents cited by documents that fall within the Human Factors standardization area to include others covering the same subjects (such as sound, noise, and bioacoustics), and
- incorporated other corrections.

## Version 3 (2002)

Since the designation of documents as standards by non-government standards bodies tends to be somewhat flexible, the scope of non-government standards for the *Index* was kept quite loose and includes standards, specifications, recommended practices, codes, guides, handbooks, etc.

Building upon what existed, Version 3:

- verified all titles and made changes as needed,
- updated information regarding the standard's revision and/or release date,
- added new standards,
- added information indicating the organizational website link where each standard could be obtained,
- added a notation identifying which standards were available via NASA's Standard Online Standard Center, and
- deleted standards that were obsolete or unavailable.

Is the listing current? The listing is reasonably current as of September 2002, and is as accurate as the various indexes, data bases, websites, and reports that were used as sources.

Is the listing complete? The listing is as complete as possible. Document selection is a function of how one defines "human engineering," "human factors," "ergonomics," and "standard." Moreover, titles may not disclose the human factors nature of a document's content.

Were the documents carefully reviewed and evaluated prior to listing? No.

Does the list contain non-human factors documents? Yes. Some non-human factors documents, cited by human factors standards, appear in the list and include general documents (e.g., metric system usage) and focused documents (e.g., acoustical measurements.)

## CONTENT AND FORMAT

While documents clearly identified as standards are included in the list, some standards-like documents are also included. Some are titled as guides, preferred practices, or similar; however, they are written in the manner of standards, i.e., they contain provisions with traditional action verbs (shall/should/may) and bear a standard identifier number. Others were prepared by standards organizations and, presumably, proceed through a recognized due process type procedure for consensus acceptance. This *Index* is limited to non-government documents, and is also limited to documents designated by numbered identifiers.

## **Listing of Standards**

The listing of standards is presented as a four-column table that contains subjects, titles, document identifiers, and organizational website links.

### **1. Subjects**

Major subjects are presented alphabetically in boldface. Both functional (e.g., access) and commodity (e.g., medical devices) categories have been used. Topics or sub-headings within these major subjects are also presented alphabetically. Only one level of sub-headings is used.

### **2. Titles**

With a few exceptions, titles appear only once, in alphabetical order, within the subject heading or sub-heading that seems most appropriate. While this approach may require the reader to search two topics for a listing (e.g., search "Lighting" and "Terminology" headings for a standard on lighting terminology), it results in a more compact listing.

The expression "As above" is used to avoid needless repetition of long titles. Where space could be saved, repeated, but readily understood title preambles or lead-ins, such as "American National Standard for," are not included.

Title case was used for all titles, irrespective of whether the original titles appeared in sentence case, title case, or caps.

### **3. Document Identifiers**

Standards that are available for government employees online through NASA's Online Standard Library are annotated with one diamond below their title as shown in the example below. The NASA Technical Standards Program Website provides a "One-Stop Shop" to the Agency wide Full-Text Technical Standards System. Most of the Standards that are found in this document can be retrieved and viewed via NASA's Online Library. Government employees can gain access to the site by going to [http://standards.nasa.gov/NPTS/public\\_login.taf](http://standards.nasa.gov/NPTS/public_login.taf). Once you arrived at this site double click on the link entitled "Register to Obtain Pass Word". The site will continue to guide you throughout the remainder of the registration process. You should gain access to the site within 30 minutes of your registration. Public Access permits users to view the NASA Preferred Technical Standards index, with the capability to download free of charge the NASA-Developed Standards Products, Consultative Committee for Space Data Systems (CCSDS) standards, and Department of Defense (DoD) Standards Products.

Agricultural Tractors	Agricultural Wheeled Tractors-Operator's Seat-Laboratory Measurement of Transmitted Vibration ◆	ISO 5007 1990
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Standards that are available through the NASA Technical Standards Program as a hard copy only are annotated with two diamonds following their title as shown in the example below.

Construction	Construction Machinery - Minimum Access Dimensions	JIS A8301
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	◆◆	1986
--	----	------

Standards that are cited by a current DoD Human Factors standardization area document as either an Applicable Document or as a source or guidance document are identified by a boldface **H** at the right side of the document identifier as shown in the example below.

Construction	Construction Machinery - Minimum Access Dimensions	SAE J185 <b>H</b> 1986
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Non-government standards that have been adopted by DoD are identified by a boldface **D** at the right side of the document date as shown in the example below.

Construction	Access Systems for Construction and Industrial Equipment	SAE J185 1988 <b>D</b>
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Of course, a standard could have multiple document identifiers as shown in the example below. In the example below, the standard is available through the NASA Online Standard Library as a hard copy document, is a standard that is cited by a current Human Factors standardization area document, and is a non-government standard that has been adopted by DoD.

Construction	◆◆	JIS A8301 1986 <b>H</b> <b>D</b>
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It should be noted that the document date represents the date of the base document. Amendments, notice changes, or reaffirmations may show a later date.

4. Organizational Website Link. An organizational website link is provided to indicate where each standard could be obtained.

## Listing of Draft Standards

The table of draft standards follows the table of standards. Draft standards are listed separately as a reminder to the reader that the standards are a draft form. These standards have not yet been approved, and it is possible that agreement may never be reached. Furthermore, draft standards may be difficult to obtain. The intent of this table is to provide the reader some information on work in progress, however, the reader is cautioned to check the current status of standards in this table before use.

## Organizational Abbreviations

Following the table of draft standards is a listing of the organizational abbreviations used in this *Index*, a website link, and addresses.

## Subject Index

Lastly, a subject index is provided.

<b>Access</b>			
Agricultural Tractors	Agricultural Wheeled Tractors - Operator's Seat-Laboratory Measurement of Transmitted Vibration ◆	ISO 5007 1990	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Construction	Access Systems for Off-Road Machines ◆	SAE J185 1988	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Earth-Moving Machinery - Minimum Access Dimensions ◆◆	JIS A8301 2000	<a href="http://www.jsa.or.jp/default_english.asp">http://www.jsa.or.jp/default_english.asp</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Earth-Moving Machinery	Earth-Moving Machinery - Access Systems ◆	ISO 2867 1994	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Earth-Moving Machinery - Access Systems ◆	CAN/CSA M2867 2000	<a href="http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp">http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Earth-Moving Machinery - Human Physical Dimensions of Operators and Minimum Operator Space Envelope ◆	ISO 3411 1995	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Earth-Moving Machinery - Human Physical Dimensions of Operators and Minimum Operator Space Envelope ◆	CAN/CSA M3411 2000	<a href="http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp">http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Earth-Moving Machinery - Minimum Access Dimensions ◆	ISO 2860 1992	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Safety of Earth-Moving Machinery, Part 5: Recommendations for Minimum Access Dimensions	BS-6912-10 01/01/1998	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Earth Moving Machinery-Human Physical Dimensions of Operators And Minimum Operating Space Envelope ◆	BS 6912-28 2000	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Operator Controls - Horizontal Earthboring Machines ◆	SAE J1611 1998	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Earth-Moving Machinery - Zones of Comfort and Reach for Controls	BS EN ISO 6682 1995	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a>
Machinery	Earth-Moving Machinery - Access Systems - Machinery ◆	CAN/CSA- M2867 2000	<a href="http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp">http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

	Safety of Machinery - Basic Concepts, General Principles for Design - Part 2: Technical Principles and Specifications ◆	ISO/TR 12100-2 1992	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Zones of Comfort and Reach for Controls - Machinery ◆	CAN/CSA- M6682 2002	<a href="http://www.csa.ca/language/default.asp?thisUrl=%2Fdefault%2Easp">http://www.csa.ca/language/default.asp?thisUrl=%2Fdefault%2Easp</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Earth-Moving Machinery - Zones of Comfort and Reach for Controls ◆	ISO 6682 1986	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Off-Road Machines	Minimum Service Access Dimensions for Off-Road Machines ◆	SAE J925 1993	<b>H</b> <a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <b>D</b> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Operator Space Envelope Dimensions for Off-Road Machines ◆	SAE J154 1992	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Passages & Accesses	Human Body Dimensions; Values ◆	DIN 33402-2 1986	<a href="http://www2.din.de/">http://www2.din.de/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Vehicle Controls	Passenger Cars - Driver Hand-Control Reach ◆	ISO 3958 1996	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Road Vehicles - Driver Hand-Control Reach - In Vehicle Checking Procedure ◆	ISO/TR 9511 1991	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
<b>Anthropometry &amp; Biomechanics</b> (Also See Access, above)			
	Ergonomics - Basic Human Body Measurements for Technological Design ◆	JIS Z8500 2002	<a href="http://www.jsa.or.jp/default_english.asp">http://www.jsa.or.jp/default_english.asp</a>
	Basic Human Body Measurements for Technological Design ◆	ISO 7250 1996	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Human Body Dimensions; Values ◆	DIN 33402-2 1986	<a href="http://www2.din.de/">http://www2.din.de/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Human Physical Dimensions ◆	SAE J833 1989	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <b>D</b> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Occupational Biomechanics ◆	ACGIH 0822 1999	<a href="http://www.acgih.org/home.htm">http://www.acgih.org/home.htm</a>

<b>Atmospheric Environment</b>			
	Climate at Workplaces and in Working Environment; Basic Principles for Determining Climates ◆◆	DIN 33403-1 1984	<a href="http://www2.din.de/">http://www2.din.de/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
<b>Clothing</b>			
	Protective Clothing - General Requirements ◆	ISO 13688 1998	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Standard Practices for Qualitatively Evaluation the Comfort, Fit, Function, and Integrity of Chemical-Protective Suit Ensembles	ASTM F1154 1999	<a href="http://www.astm.org/cgi-bin/SoftCart.exe/index.shtml?E+mystore">http://www.astm.org/cgi-bin/SoftCart.exe/index.shtml?E+mystore</a>
	Ergonomics of the Thermal Environment - Estimation of the Thermal Insulation and Evaporative Resistance of a Clothing Ensemble	ISO 9920 1995	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
<b>Collision Avoidance</b>			
	Human Interface Criteria for Collision Avoidance Systems in Transport Aircraft ◆	SAE ARP 4153 1988	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
<b>Color and Marking</b>			
Controls/Displays	Basic and Safety Principles for Man-Machine Interfaces, Marking and Identification - Coding Principles for Indication Devices and Actuators ◆	IEC 60073 2002	<a href="http://www.iec.ch/">http://www.iec.ch/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Identification & Coding	Colors for Color Identification and Coding ◆	EIA 359 1988	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Pipes	Scheme for the Identification of Piping Systems ◆	ASME A13.1 1996	<a href="http://www.asme.org/pvp/">http://www.asme.org/pvp/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Safety/Warnings	Radio Frequency Radiation Hazard Warning Symbol ◆	ANSI/IEEE C95.2 1981	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Radiation Symbol ◆◆	ANSI N2.1 1989	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Safety Color Code ◆◆	ANSI/NEMA Z535.1 1998	<a href="http://www.nema.org/">http://www.nema.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

	Environmental and Facility Safety Signs ◆◆	ANSI/NEMA Z535.2 1998	<b>H</b> <a href="http://www.nema.org/">http://www.nema.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Specification of	Chromaticity Space	CIE 1931 1931	<a href="http://www.videoessentials.com/jkp_facts.htm#Individual">http://www.videoessentials.com/jkp_facts.htm#Individual</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Uniform Chromaticity Scale (UCS)	CIE 1976 1976	<a href="http://www.videoessentials.com/jkp_facts.htm#Individual">http://www.videoessentials.com/jkp_facts.htm#Individual</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
<b>Communication</b>			
Data Link	Human Engineering Issues for Data Link Systems ◆	SAE ARD 50027 1991	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Human Engineering Recommendations for Data Link Systems ◆	SAE ARP 4791 1996	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Miscellaneous	Information Technology - Representation for Human Communication of State Transition of Software ◆	ISO/IEC 11411 1995	<a href="http://www.iso.ch/iso/en/prods-services/ISOSTore/store.html">http://www.iso.ch/iso/en/prods-services/ISOSTore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Pictograms	Human Factors; The Multiple Index Approach (MIA) for the Evaluation of Pictograms ◆◆	ETSI ETR 070 1993	<a href="http://www.etsi.org/">http://www.etsi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Telecommunication	Human Factors; Access to Telecommunications for People with Special Needs: Recommendations for Improving and Adapting Telecommunication Terminals and Services for People with Impairments	ETSI ETR 029 1998	<a href="http://www.etsi.org/">http://www.etsi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Human Factors; European Standardization Situation of Telecommunications Facilities for People with Special Needs	ETSI ETR 068 1998	<a href="http://www.etsi.org/">http://www.etsi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Human Factors; Generic User Control Procedures for Telecommunication Terminals and Services	ETSI ETR 170 1995	<a href="http://www.etsi.org/">http://www.etsi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Human Factors; Guide for Usability Evaluations of Telecommunications Systems and Services	ETSI ETR 095 1993	<a href="http://www.etsi.org/">http://www.etsi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Human Factors; Human Factors Aspects of Multimedia Telecommunications	ETSI ETR 160 1995	<a href="http://www.etsi.org/">http://www.etsi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Human Factors; Human Factors Standards for Telecommunications Applications	ETSI ETR 039 1992	<a href="http://www.etsi.org/">http://www.etsi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Human Factors; Recommendation for a Tactile Identifier on Machine Readable Cards for Telecommunication Terminals	ETSI ETR 165 1995	<a href="http://www.etsi.org/">http://www.etsi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>

	Human Factors; User Instructions for Public Telecommunications Services; Design Guidelines	ETSI ETR 167 1995	<a href="http://www.etsi.org/">http://www.etsi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Telephones	Human Factors; Usability Checklist for Telephones: Basic Requirements	ETSI ETR 051 1992	<a href="http://www.etsi.org/">http://www.etsi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Human Factors; Phone Based Interfaces (PBI); Human Factors Guidelines for the Design of Minimum Phone Based User Interface to Computer Services	ETSI ETR 096 1993	<a href="http://www.etsi.org/">http://www.etsi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Human Factors; Evaluation of Telephones for People with Special Needs; An Evaluation Method	ETSI ETR 166 1995	<a href="http://www.etsi.org/">http://www.etsi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Human Factors; Recommendation of Characteristics of Telephone Services Tones When Locally Generated in Telephony Terminals	ETSI ETR 187 1995	<a href="http://www.etsi.org/">http://www.etsi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Videophones	Human Factors (HF); Pictograms for Point-to-Point Video Telephony	ETSI ETS 300 375 1994	<a href="http://www.etsi.org/">http://www.etsi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Human Factors (HF); Results of an Evaluation Study of Pictogram for Point-to-Point Video Telephony	ETSI ETR 113 1993	<a href="http://www.etsi.org/">http://www.etsi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Human Factors (HF); User Procedures for Multipoint Video Telephony	ETSI ETR 175 1995	<a href="http://www.etsi.org/">http://www.etsi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
<b>Control Rooms</b>			
Control Arrangement	Ergonomic Design of Control Centres - Part 2: Principles for the Arrangement of Control Suites ◆	ISO 11064-2 2000	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
General	Ergonomic Design of Control Centres - Part 1: Principles for the Design of Control Centres ◆	ISO 11064-1 2000	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Human Engineering for Control Centers ◆◆	ISA RP 60.3 1985	<a href="http://www.isa.org">http://www.isa.org</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Layout/Dimensions	Ergonomic Design of Control Centres - Part 3: Control Room Layout ◆	ISO 11064-3 1999	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Nuclear Power Plants	Nuclear Power Plants - Control Rooms - Operator Controls ◆◆	BS 7517 1995	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

	Nuclear Power Plants - Control Rooms - Operator Controls	IEC 61227 1993	<a href="http://www.iec.ch/">http://www.iec.ch/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Design for Control Rooms of Nuclear Power Plants ◆	IEC 60964 1989	<a href="http://www.iec.ch/">http://www.iec.ch/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
<b>Controls</b>			
Actuators	Ergonomic Requirements for the Design of Displays and Control Actuators - Part 1: Human Interactions with Displays and Control Actuators ◆	ISO 9355-1 1999	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Man-Machine Interface (MMI) - Actuating Principles	IEC 60447 1993	<a href="http://www.iec.ch/">http://www.iec.ch/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Man-Machine Interface (MMI) - Actuating Principles	CENELEC EN 60447 1993	<a href="http://www.cenelec.org/BASIS/celis/free/project/SF">http://www.cenelec.org/BASIS/celis/free/project/SF</a>
Earth-Moving Equipment	Earth-Moving Machinery - Zones of Comfort and Reach for Controls ◆	ISO 6682 1986	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Earth-Moving Machinery - Operator's Controls ◆	ISO 10968 1995	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Hydraulic Excavator Operator Controls	SAE J1177 1988	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Operator's Controls for Earth-Moving Machinery: Crawler Tractors and Crawler Loaders ◆◆	BS 6211 1982	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Operator's Controls on Excavators Used for Earth-Moving ◆◆	BS 5528 1981	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Graders	Operator Controls for Graders ◆	SAE J1071 1985	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Hand Wheels	Human Physical Strength; Maximum Static Action Moments Applied by Male Operators when Actuating Hand-Wheels ◆◆	DIN 33411-3 1986	<a href="http://www2.din.de/">http://www2.din.de/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Industrial Equipment	Operator Controls on Industrial Equipment, Standard ◆	SAE J297 1994	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

Movement, Direction	Geometrical Orientation and Directions of Movements ◆	ISO 1503 1977	<a href="http://www.iso.ch/iso/en/prods-services/ISOSTore/store.html">http://www.iso.ch/iso/en/prods-services/ISOSTore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Numerical Controls	Operator Interface Functions of Numerical Controls ◆◆	EIA-441 1979	
Off-Road Machines	Operator Controls - Off-Road Machines ◆	SAE J1814 1993	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

## Controls & Displays

Aircraft	Flight Deck Panels, Controls, and Displays ◆	SAE ARP 4102 1988	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Flight Deck Panels, Controls, and Displays, Part 7: Electronic Display Symbology for EADI/PFD ◆	SAE ARP 4102/7 1993	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Flight Deck Panels, Controls, and Displays, Part 8: Flight Deck Head-Up Displays ◆	SAE ARP 4102/8 1998	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Head-Up Display Human Factors Issues	SAE ARD 50016 1998	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Design of	Ergonomic Requirements for the Design of Displays and Control Actuators - Part 1: Human Interactions with Displays and Control Actuators ◆	ISO 9355-1 1999	<a href="http://www.iso.ch/iso/en/prods-services/ISOSTore/store.html">http://www.iso.ch/iso/en/prods-services/ISOSTore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Motorcycles	Operator Controls and Displays on Motorcycles ◆	SAE J107 1996	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Truck Cabs	Location and Operation of Instruments and Controls in Motor Truck Cabs ◆	SAE J680 1988	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

## Displays

Aircraft	Human Engineering Considerations in the Application of Color to Electronic Aircraft Displays ◆	SAE ARP 4032 1988	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Construction Equipment	Instrument Face Design and Location for Construction and Industrial Equipment ◆	SAE J209 1987	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

Design of	Ergonomic Requirements for the Design of Signals and Control Actuators - Part 2: Displays ◆	ISO 9355-2 1999	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Earth-Moving Equipment	Earth-Moving Machinery - Operating Instrumentation ◆	ISO 6011 1987	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Earth-Moving Machinery - Service Instrumentation ◆	ISO 6012 1997	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Panels	Photometric Guidelines for Instrument Panel Displays that Accommodate Older Drivers ◆	SAE J2217 1991	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Truck Cabs	Location and Operation of Instruments and Controls in Motor Truck Cabs ◆	SAE J680 1988	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

### Elderly/Impaired Users

	Guidelines for Accessible and Usable Buildings and Facilities ◆◆	ANSI A117.1 1998	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Guide to Dimensions in Designing for Elderly People ◆◆	BS 4467 1991	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

### Ergonomics/Human Engineering

Factory/Office Work	Ergonomics in Computerized Offices	ACGIH 9331 1992	<a href="http://www.acgih.org/home.htm">http://www.acgih.org/home.htm</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Visual Ergonomics in the Workplace	ACGIH 99-036 1998	<a href="http://www.acgih.org/home.htm">http://www.acgih.org/home.htm</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
General	The Advanced Ergonomics Manual	ACGIH 9539 1994	<a href="http://www.acgih.org/home.htm">http://www.acgih.org/home.htm</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Applied Ergonomics Handbook	ACGIH 9272 1992	<a href="http://www.acgih.org/home.htm">http://www.acgih.org/home.htm</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	An Ergonomics Guidebook for Computer Users	ACGIH 9703CB 1991	<a href="http://www.acgih.org/home.htm">http://www.acgih.org/home.htm</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Ergonomics: A Practical Guide	ACGIH 9417 1993	<a href="http://www.acgih.org/home.htm">http://www.acgih.org/home.htm</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>

	Ergonomics for Beginners: A Quick Reference Guide	ACGIH 9403 2001	<a href="http://www.acgih.org/home.htm">http://www.acgih.org/home.htm</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Human Engineering - Principles and Practices	EIA HEB1 2002	<a href="http://www.eia.org/">http://www.eia.org/</a>
Hand Tools	Ergonomics and Safety in Hand Tool Design	ACGIH 99-049 1999	<a href="http://www.acgih.org/home.htm">http://www.acgih.org/home.htm</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Offices	Guideline on Office Ergonomics	CSA-Z412 2000	<a href="http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp">http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Ergonomic Design for People at Work, Volumes 1 and 2	ACGIH 4790 1983	<a href="http://www.acgih.org/home.htm">http://www.acgih.org/home.htm</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	The Ergonomics of Workspaces and Machines: A Design Manual	ACGIH 9548 1995	<a href="http://www.acgih.org/home.htm">http://www.acgih.org/home.htm</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Work Design: Industrial Ergonomics	ACGIH 9145 1999	<a href="http://www.acgih.org/home.htm">http://www.acgih.org/home.htm</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Ergonomic Principles in the Design of Work Systems	ISO 6385 1981	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
<b>Furniture</b>			
Educational Institutions	Furniture - Chairs and Tables for Educational Institutions - Functional Sizes ◆	ISO 5970 1979	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Offices	Guide to Ergonomics Principles in the Design and Selection of Office Furniture ◆◆	BS 3044 1990	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
<b>Human Error</b>			
	Human Error Reduction and Safety Management ◆	ACGIH 9658 1996	<a href="http://www.acgih.org/home.htm">http://www.acgih.org/home.htm</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Guidelines for Preventing Human Error in Process Safety ◆	AICHE G15 1994	<a href="http://www.aiche.org/">http://www.aiche.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	An Engineer's View of Human Error ◆	AICHE U64 2001	<a href="http://www.aiche.org/">http://www.aiche.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

	A Manager's Guide to Reducing Human Errors: Improving Human Performance in the Process ◆	API 770 2001	<a href="http://api-ec.api.org/newsplashpage/index.cfm/">http://api-ec.api.org/newsplashpage/index.cfm/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
<b>Identification</b>			
Dental Equipment	Dental Equipment - Items of Dental Equipment at the Working Place - Identification System ◆	ISO 4073 1980	<a href="http://www.iso.ch/iso/en/prods-services/ISOSTore/store.html">http://www.iso.ch/iso/en/prods-services/ISOSTore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
<b>Information Systems</b> (Also see "Communication")			
Code, Info Exchange	Coded Character Sets - 7 Bit ◆	ANSI X3.4 1986	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Interaction	Man-Machine Interaction ◆◆	ITU-T Recommendation Z.323 1988	<a href="http://www.itu.int/home/index.html">http://www.itu.int/home/index.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Optical Characters	Information Systems - Optical Character Recognition ◆	ANSI X3.99 1983	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Specifying	Data Oriented Human-Machine Interface Specification Technique - Introduction ◆◆	ITU-T Recommendation Z.351 1993	<a href="http://www.itu.int/home/index.html">http://www.itu.int/home/index.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Data Oriented Human-Machine Interface Specification Technique - Scope, Approach, and Reference Model ◆◆	ITU-T Recommendation Z.352 1993	<a href="http://www.itu.int/home/index.html">http://www.itu.int/home/index.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
<b>Lighting</b>			
Laser Operations	Human Factors Considerations for Outdoor Laser Operations in the Navigable Airspace	SAE AS 4970 1999	<a href="http://www.sae.org/">http://www.sae.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Educational Facilities	Educational Facilities Lighting	IESNA RP3 2000	<a href="http://www.iesna.org/">http://www.iesna.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Indoor Work	Lighting of Indoor Work Places ◆	ISO/CIE 8995 2002	<a href="http://www.iso.ch/iso/en/prods-services/ISOSTore/store.html">http://www.iso.ch/iso/en/prods-services/ISOSTore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Industrial	Practice for Industrial Lighting	IESNA RP7 2001	<a href="http://www.iesna.org/">http://www.iesna.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Office	Office Lighting	IESNA RP1 1993	<a href="http://www.iesna.org/">http://www.iesna.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>

Terminology	Nomenclature and Definitions for Illuminating Engineering	IESNA RP16 1996	<a href="http://www.iesna.org/">http://www.iesna.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
VDU Workstations	Artificial Lighting of Interiors; Lighting of Rooms with VDU Workstations or VDU Assisted Workplaces	DIN 5035-7 1988	<a href="http://www2.din.de/">http://www2.din.de/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
<b>Marking</b> See “Color and Marking”			
<b>Medical Devices</b>			
	Human Factors Engineering Guidelines and Preferred Practices for the Design of Medical Devices ♦♦	AAMI HE48 1993	<b>D</b> <a href="http://www.aami.org/">http://www.aami.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Human Factors Design Process for Medical Devices	ANSI/AAMI HE74 2001	<a href="http://www.aami.org/">http://www.aami.org/</a>
<b>Nuclear Power</b>			
Application	Guide for the Application of Human Factors Engineering to Systems, Equipment, and Facilities of Nuclear Power Generating Stations ♦♦	ANSI/IEEE STD1023 1988	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
<b>Performance, Human</b>			
Measurements	Guide to Human Performance Measurements ♦	AIAA G-035 2000	<a href="http://www.aiaa.org/">http://www.aiaa.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Evaluation of Human Work, A Practical Ergonomics Methodology	ACGIH 9651 1995	<a href="http://www.acgih.org/home.htm">http://www.acgih.org/home.htm</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
<b>Reliability, Human</b>			
	Guide for Incorporating Human Action Reliability for Nuclear Power Generating Stations ♦	IEEE 1082 1997	<a href="http://www.ieee.org/portal/index.jsp">http://www.ieee.org/portal/index.jsp</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
<b>Robotics</b>			
Pendants, Control	Industrial Robots and Robot Systems - Hand-Held Robot Control Pendants - Human Engineering Design Criteria	ANSI/RIA R15.02-1 1990	<a href="http://www.roboticsonline.com/store/">http://www.roboticsonline.com/store/</a> <a href="http://www.ansi.org/">http://www.ansi.org/</a>
Safety	Industrial Robots and Robot Systems – Safety Requirements	ANSI/RIA R15.06 1999	<a href="http://www.roboticsonline.com/store/">http://www.roboticsonline.com/store/</a> <a href="http://www.ansi.org/">http://www.ansi.org/</a>
<b>Safety/Health/Protection</b> (Also see Symbols)			

Danger Signals, Audio	Audible Emergency Evacuation Signal ◆	ANSI S3.41 1998	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Danger Signals for Work Places - Auditory Danger Signals ◆	ISO 7731 1986	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Danger Signals for Work Places - Auditory Danger Signals ◆◆	ANSI S12.14 1992	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Danger Signals, Audio and Visual	Ergonomics - System of Auditory and Visual Danger and Information Signals ◆	ISO 11429 1996	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Danger Signals, Visual	Ergonomics - Visual Danger Signals - General Requirements, Design and Testing ◆	ISO 11428 1996	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Electrical	National Electrical Code ◆◆	NFPA 70 2002	<a href="http://www.nfpa.org/Home/index.asp">http://www.nfpa.org/Home/index.asp</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	National Electrical Safety Code ◆	ANSI/IEEE C2 2002	<b>H</b> <a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Effects of Current on Human Beings and Livestock - Part 1: General Aspects ◆	IEC/TR2 60479-1 1994	<a href="http://www.iec.ch/">http://www.iec.ch/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Effects of Current Passing Through the Human Body - Part 2: Special Aspects ◆	IEC/TR 60479-2 1987	<a href="http://www.iec.ch/">http://www.iec.ch/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Methods of Measurement of Touch-Current and Protection Conductor Current. ◆	IEC 60990 1999	<a href="http://www.iec.ch/">http://www.iec.ch/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Electromagnetic Fields	Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 KHz to 300 GHz ◆	IEEE STD C95.1 1999	<a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Eye/Face Protection	Industrial Eye and Face Protectors ◆	CAN/CSA-Z94.3 1999	<a href="http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp">http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Fire	Code for Safety to Life from Fire in Buildings and Structures ◆◆	NFPA 101 2000	<a href="http://www.nfpa.org/Home/index.asp">http://www.nfpa.org/Home/index.asp</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Recommended Practice for Fire Flow Testing and Marking of Fire Hydrants ◆◆	NFPA 291 1995	<a href="http://www.nfpa.org/Home/index.asp">http://www.nfpa.org/Home/index.asp</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

Floors, Walls, Stairs, Rails	Safety Requirements for Workplace Floor and Wall Openings, Stairs, and Railing Systems ◆◆	ANSI A1264.1 1995	<a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a> <a href="http://www.ansi.org/">http://www.ansi.org/</a>
Footwear	Protective Footwear ◆	CAN/CSA Z195 2002	<a href="http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp">http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Headwear	Industrial Protective Headwear ◆	CAN/CSA Z94.1 1998	<a href="http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp">http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Hearing Conservation	Determination of Occupational Noise Exposure and Estimation of Noise-Induced Hearing Impairment ◆	ANSI S3.44 1996	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Measurement of Occupational Noise Exposure ◆	ANSI S12.19 1996	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Ladders	Ladders, Fixed, Safety Requirements ◆◆	ANSI A14.3 1992	<b>D</b> <a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Lasers	Lasers, Safe Use of ◆◆	ANSI Z136.1 2000	<b>H</b> <a href="http://www.ansi.org/">http://www.ansi.org/</a> <b>D</b> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Machinery	Safety of Machinery - Minimum Gaps to Avoid Crushing of Parts of the Human Body ◆◆	BS EN 349 1993	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Safety of Machinery - Minimum Gaps to Avoid Crushing of Parts of the Human Body ◆◆	DIN EN 349 1993	<a href="http://www2.din.de/">http://www2.din.de/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Radiation	Radiation Symbol ◆◆	ANSI N2.1 1989	<b>H</b> <a href="http://www.ansi.org/">http://www.ansi.org/</a> <b>D</b> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Respirators	Selection, Care, and Use of Respirators	CAN/CSA Z94.4 1997	<a href="http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp">http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Signs, Labels	Safety Colours and Safety Signs ◆	ISO 3864 1984	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Safety Colours and Safety Signs – Part 1: Design Principles for Safety Signs in Workplaces and Public Areas	ISO 3864-1 2002	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

Tags	Safety Tags and Barricade Tapes (for Temporary Hazards) ♦♦	ANSI Z535.5 2002	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Thermal Hazards	Safety of Machinery - Temperatures of Touchable Surfaces - Ergonomics Data to Establish Temperature Limit Values for Hot Surfaces ♦♦	BS EN 563 1994	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Safety of Machinery - Temperatures of Touchable Surfaces, Ergonomics Data to Establish Temperature Limit Values for Hot Surfaces ♦♦	CEN EN 563 1994	<a href="http://www.cenorm.be/">http://www.cenorm.be/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Safety of Machinery - Temperatures of Touchable Surfaces - Ergonomics Data to Establish Temperature Limit Values for Hot Surfaces ♦♦	DIN EN 563 2000	<a href="http://www2.din.de/">http://www2.din.de/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Medical Information on Human Reaction to Skin Contact with Hot Surfaces ♦♦	BS PD 6504 1983	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
TLVs and BEIs	Threshold Limit Values and Biological Exposure Indices ♦♦	ACGIH 0100DOC 2001	<a href="http://www.acgih.org/home.htm">http://www.acgih.org/home.htm</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Vibration/Shock	Guide to Safety Aspects of Experiments in Which People are Exposed to Mechanical Vibration and Shock ♦♦	BS 7085 1989	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

## Seating

Agricultural Tractors	Agricultural Tractors - Operator's Seating Accommodation – Dimensions ♦	ISO 4253 1993	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Earth-Moving Machinery, and Tractors and Machines for Agriculture and Forestry - Seat Index Point ♦	ISO 5353 1995	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Earth-Moving Machinery	Earth-Moving Machinery - Operator's Seat - Dimensions and Requirements ♦	ISO 11112 1995	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Index Point	Determining Seat Index Point ♦	SAE J1163 1997	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Off-Road Machines	Operator's Seat Dimensions for Off-Road, Self-Propelled Work Machines ♦	SAE J899 1988	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

<b>Ships</b>				
Design Criteria	Standard Practice for Human Engineering Design for Marine Systems, Equipment and Facilities ◆	ASTM F1166 1995	D	<a href="http://www.astm.org/cgi-bin/SoftCart.exe/index.shtml?E+mystore">http://www.astm.org/cgi-bin/SoftCart.exe/index.shtml?E+mystore</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Program Requirements	Standard Practice for Human Engineering Program Requirements for Ships and Marine Systems, Equipment and Facilities ◆	ASTM F1337 1991		<a href="http://www.astm.org/cgi-bin/SoftCart.exe/index.shtml?E+mystore">http://www.astm.org/cgi-bin/SoftCart.exe/index.shtml?E+mystore</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
<b>Sound/Noise/Bioacoustics</b>				
Air-Moving Devices	Methods for the Measurement of Noise Emitted by Small Air-Moving Devices ◆	ANSI S12.11 1987		<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Buildings	Building Construction - Expression of Users' Requirements Part 3: Acoustical Requirements ◆	ISO 6242-3 1992		<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Building Construction - Expression of Users' Requirements Part 3: Acoustical Requirements ◆◆	BS BS 7643-3 1993		<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Calibrators	Specification for Acoustical Calibrators ◆	ANSI S1.40 1984	H D	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Cinematography	Cinematography - B-Chain Electro-Acoustic Response of Motion-Picture Control Rooms and Indoor Theatres - Specifications and Measurements ◆	ISO 2969 1987		<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Computers	Methods for the Measurement and Designation of Noise Emitted by Computer and Business Equipment ◆	ANSI S12.10 1985		<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Damage Risk	Method of Test for Estimating the Risk of Hearing Handicap Due to Noise Exposure ◆◆	BS BS 5330 1976		<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Acoustics - Determination of Occupational Noise Exposure and Estimation of Noise-Induced Hearing Impairment	ISO 1999 1990		<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Earth-Moving Machinery	Sound Measurements - Off-Road Work Machines ◆	SAE J88 1995	H D	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Sound Measurement - Off-Road Work Machines - Operator - Singular Type ◆	SAE J919 1995	D	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

Engines	Operator Ear Sound Level Measurement Procedure for Small Engine Powered Equipment ◆	SAE J1174 1985	<b>D</b> <a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Environmental Sound	Quantities and Procedures for Description and Measurement of Environmental Sound, Part 1 ◆	ANSI S12.9 1988	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Quantities and Procedures for Description and Measurement of Environmental Sound, Part 2: Measurement of Long-Term, Wide-Area Sound ◆	ANSI S12.9/Part 2 1992	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Quantities and Procedures for Description and Measurement of Environmental Sound, Part 3: Short-Term Measurements with an Observer Present ◆	ANSI 12.9/Part 3 1993	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Equal Loudness Contours	Acoustics - Normal Equal-Loudness Level Contours ◆	ISO 226 1987	<b>H</b> <a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Normal Equal-Loudness Level Contours for Pure Tones Under Free-Field Listening Conditions ◆◆	BS 3383 1988	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Filters	Octave Band and Fractional-Octave Band Analog and Digital Filters ◆	ANSI S1.11 1986	<b>H</b> <b>D</b> <a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Hearing Protectors	Method for the Measurement of the Real-Ear Attenuation of Hearing Protectors ◆	ANSI S12.6 1997	<b>H</b> <b>D</b> <a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Microphone-in-Real-Ear and Acoustic Test Fixture Methods for the Measurement of Insertion Loss of Circumaural Hearing Protection Devices ◆	ANSI S12.42 1995	<b>H</b> <a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Impulse Noise	Methods for Measurements of Impulse Noise ◆	ANSI S12.7 1986	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Intelligibility	Method for Measuring the Intelligibility of Speech over Communication Systems ◆	ANSI S3.2 1989	<b>H</b> <b>D</b> <a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Methods for Calculation of Speech Intelligibility Index ◆	ANSI S3.5 1997	<b>H</b> <b>D</b> <a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

	Ergonomic Assessment of Speech Communication - Part 1: Speech Interference Level and Communication Distances for Persons with Normal Hearing Capacity in Direct Communication (SIL Method) ◆	ISO 9921-1 1996	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Rating Noise with Respect to Speech Interference ◆	ANSI S3.14 1977	<b>H</b> <a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Loudness	Acoustics - Method for Calculating Loudness Level ◆	ISO 532 1975	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Procedure for the Computation of Loudness of Noise ◆	ANSI S3.4 1980	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Machinery	Measurement of Occupational Noise Exposure	ANSI S12.19 1996	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Guidelines for the Specification of Noise of New Machinery	ANSI S12.16 1992	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Statistical Methods for Determining and Verifying Stated Noise Emission Values of Machinery and Equipment	ANSI S12.3 1985	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Measurement Method	Methods for Measurement of Sound Pressure Levels in Air	ANSI S1.13 1995	<b>H</b> <a href="http://www.ansi.org/">http://www.ansi.org/</a> <b>D</b> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Guidelines for the Preparation of Standard Procedures for the Determination of Noise Emission from Sources ◆	ANSI S12.1 1983	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Procedure for Outdoor Measurement of Sound Pressure Level ◆	ANSI S12.18 1994	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Microphones	Method for the Calibration of Microphone	ANSI S1.10 1966	<b>H</b> <a href="http://www.ansi.org/">http://www.ansi.org/</a> <b>D</b> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Motor Vehicles	Engine Sound Level Measurement Procedure ◆	SAE J1074 2000	<b>H</b> <a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <b>D</b> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Exterior Sound Level for Heavy Trucks and Buses ◆	SAE J366 2001	<b>H</b> <a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <b>D</b> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Sound Level for Passenger Cars and Light Trucks ◆	SAE J986 1998	<b>H</b> <a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <b>D</b> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

	Sound Measurement - Off-Road, Self-Propelled, Work Machines, Operator - Work Cycle ◆	SAE J1166 1998	<b>D</b>	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Maximum Sound Level for Passenger Cars and Light Trucks ◆	SAE J1030 1999		<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Power Tools	Acoustics - Portable Electric Power Tools, Stationary, and Fixed Electric Power Tools, and Gardening Appliances, Measurement of Sound Emitted ◆	ANSI S12.15 1992		<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Preferred Frequencies	Preferred Frequencies, Frequency Levels, and Band Numbers for Acoustical Measurements ◆	ANSI S1.6 1984	<b>H</b> <b>D</b>	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Qualification	Qualifying a Sound Data Acquisition System ◆	SAE J184 1998	<b>H</b> <b>D</b>	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Rooms	Criteria for Evaluating Room Noise	ANSI S12.2 1995		<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Rooms, Reverberation	Precision Methods for the Determination of Sound Power Levels of Broad-Band Noise Sources in Reverberation Rooms ◆	ANSI S12.31 1990		<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Precision Methods for the Determination of Sound Power Levels of Discrete-Frequency and Narrow-Band Noise Sources in Reverberation Rooms	ANSI S12.32 1990		<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Engineering Methods for the Determination of Sound Power Levels of Noise Sources in a Special Reverberation Test Room ◆	ANSI S12.33 1990	<b>D</b>	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Sound Level Meters	Specification for Sound Level Meters ◆	ANSI S1.4 1983	<b>H</b>	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Sound Power	Guidelines for the Use of Sound Power Standard and for the Preparation of Noise Test Codes ◆	ANSI S12.30 1990		<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Method for the Determination of Sound Power Emitted by Machinery and Equipment ◆	ANSI S12.23 1989		<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Sound Power Levels	Engineering Method for the Determination of Sound Power Levels of Noise Sources using Sound Intensity ◆	ANSI S12.12 1992		<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

	Engineering Methods for the Determination of Sound Power Levels of Noise Sources for Essentially Free-Field Conditions over a Reflecting Plane ◆	ANSI S1.34 1988	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Survey Methods for the Determination of Sound Power Levels of Noise Sources ◆	ANSI S12.36 1990	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Terminology	Acoustical Terminology ◆	ANSI S1.1 1994	<b>H</b> <a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Bioacoustical Terminology ◆	ANSI S3.20 1995	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Test Rooms, Audiometric	Maximum Permissible Ambient Noise Levels for Audiometric Test Rooms ◆	ANSI S3.1 1999	<b>D</b> <a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
<b>Strength</b>			
Hand Wheels	Human Physical Strength; Maximum Static Action Moments Applied by Male Operators when Actuating Hand-Wheels ◆◆	DIN 33411-3 1986	<a href="http://www2.din.de/">http://www2.din.de/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Static	Human Physical Strength; Maximum Static Action Forces (Isodynes) ◆◆	DIN 33411-4 1987	<a href="http://www2.din.de/">http://www2.din.de/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
<b>Symbols</b>			
Agricultural Machinery	Agriculture Tractors and Machines - Symbols for Operator Controls	JIS B9126 1997	<a href="http://www.jsa.or.jp/default_english.asp">http://www.jsa.or.jp/default_english.asp</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Tractors, Machinery for Agriculture and Forestry, Powered Lawn and Garden Equipment - Symbols for Operator Controls and Other Displays - Part 1: Common Symbols ◆	ISO 3767-1 1998	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	As above - Part 2: Symbols for Agricultural Tractors and Machinery ◆	ISO 3767-2 1991	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	As above - Part 3: Symbols for Powered Lawn and Garden Equipment ◆	ISO 3767-3 1995	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	As above - Part 4: Symbols for Forestry Machinery ◆	ISO 3767-4 1993	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

	As above - Part 5: Symbols for Manual Portable Forestry Machinery ◆	ISO 3767-5 1992	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Controls/Displays	Symbols for Operator Controls and Other Displays ◆	CAN/CSA M6405-1 2000	<a href="http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp">http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Displays	Human Interface Design Methodology for Integrated Display Symbology ◆	ANSI/SAE ARP 4155 10/01/1990	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Earth-Moving Machinery	Operation and Maintenance of Earth-Moving Machinery Part 8: Specification for Common Symbols for Operator Controls and Other Displays ◆	BS 6913-8 1992	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Earth-Moving Machinery - Symbols for Operator Controls and Other Displays ◆◆	JIS A8310 01/01/1993	<a href="http://www.jsa.or.jp/default_english.asp">http://www.jsa.or.jp/default_english.asp</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Earth-Moving Machinery - Symbols for Operator Controls and Other Displays - Part 1: Common Symbols ◆	ISO 6405-1 1991	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	As above - Part 2: Additional Symbols ◆	ISO 6405-2 1993	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Equipment	Graphical Symbols for Use on Equipment - Index and Synopsis ◆	ISO 7000 1989	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Fissile Material	Fissile Material Symbol ◆◆	ANSI N12.1 1989	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
General Criteria	Criteria for Safety Symbols ◆◆	ANSI/NEMA Z535.3 1998	<a href="http://www.nema.org/">http://www.nema.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Off-Road Machines	Graphical Symbols for Operator Controls and Displays on Off-Road, Self-Propelled Work Machines ◆◆	SAE J1362 1997	<b>D</b> <a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Radiation Warning	Radiation Symbol ◆◆	ANSI N2.1 1989	<b>H</b> <b>D</b> <a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
RF Hazard	Radio Frequency Energy and Current Flow ◆	ANSI/IEEE C95.2 1999	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

<b>Thermal Environment</b>			
Air Condit/Ventilation	Air Conditioning and Ventilation of Machinery Control Rooms on Board Ships - Design Conditions and Basis of Calculations ◆	ISO 8862 1987	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Buildings	Building Construction - Expression of Users' Requirements, Part 1: Thermal Requirements ◆	ISO 6242-1 1992	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Building Construction - Expression of Users' Requirements Part 1: Thermal Requirements ◆◆	BS 7643-1 1993	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Clothing	Ergonomics of the Thermal Environment - Estimation of the Thermal Insulation and Evaporative Resistance of a Clothing Ensemble	BS 9920 1995	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Ergonomics of the Thermal Environment - Estimation of the Thermal Insulation and Evaporative Resistance of a Clothing Ensemble ◆	ISO 9920 1995	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Cold Environments	Evaluation of Cold Environments - Determination of Requisite Clothing Insulation (IREC) ◆	ISO/TR 11079 1993	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Cold or Hot Environments	Ergonomics of the Thermal Environment—Medical Supervision of Individuals Exposed to Extreme Hot or Cold Environments ◆	ISO12894 2001	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Definitions	Ergonomics of the Thermal Environment - Vocabulary and Symbols ◆	ISO 13731 2001	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
General	Ergonomics - Determination of Metabolic Heat Production ◆◆	BS EN 28996 01/01/1994	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Ergonomics - Determination of Metabolic Heat Production ◆◆	CEN EN 28996 1993	<a href="http://www.cenorm.be/">http://www.cenorm.be/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Ergonomics - Determination of Metabolic Heat Production ◆◆	DIN EN 28996 1993	<a href="http://www2.din.de/">http://www2.din.de/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Ergonomics - Determination of Metabolic Heat Production ◆	ISO 8996 1990	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

Hot Environments	Hot Environments - Analytical Determination and Interpretation of Thermal Stress Using Calculation of Required Sweat Rate ◆	ISO 7933 1989	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Hot environments - Estimation of the Heat Stress on Working Man, Based on the WBGT-Index ◆	ISO 7243 1989	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Hot Surfaces	Medical Information on Human Reaction to Skin Contact with Hot Surfaces ◆◆	BS PD 6504 1983	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Instruments/Methods	Ergonomics of the Thermal Environment - Instruments for Measuring Physical Quantities ◆	ISO 7726 1998	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Metabolic Heat Production	Ergonomics - Determination of Metabolic Heat Production ◆	ISO 8996 1990	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Moderate Environments	Moderate Thermal Environments - Determination of the PMV and PPD Indices and Specification of the Conditions for Thermal Comfort ◆	ISO 7730 1994	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Standards	Ergonomics of the Thermal Environment - Principles and Application of Relevant International Standards ◆	ISO 11399 1995	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Subjective Judgment	Ergonomics of the Thermal Environment - Assessment of the Influence of the Thermal Environment using Subjective Judgment Scales ◆	ISO 10551 1995	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Terminology & Symbols	Ergonomics of the Thermal Environment - Vocabulary and Symbols ◆	ISO 13731 2001	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Thermal Strain	Evaluation of Thermal Strain by Physiological Measurements ◆	ISO 9886 1992	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
<b>Ventilation/Airflow</b>			
	Building Construction - Expression of Users' Requirements Part 2: Air Purity Requirements ◆	ISO 6242-2 1992	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

	Building Construction - Expression of Users' Requirements Part 2: Air Purity Requirements ◆◆	BS 7643-2 1993	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
<b>Vibration/Shock</b>			
Buildings	Evaluation of Human Exposure to Vibration in Buildings (1 Hz to 80 Hz) ◆◆	BS 6472 1992	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Guide to the Evaluation of Human Exposure to Vibration in Buildings ◆	ANSI S3.29 1983	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Buildings/Off Shore	Guide to Evaluation of Response of Occupants of Fixed Structures, Especially Buildings and Offshore Structures, to Low-Frequency Horizontal Motion (0.063 Hz to 1 Hz) ◆◆	BS 6611 1985	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Guidelines for the Evaluation of Response of Occupants of Fixed Structures, Especially Buildings and Off-Shore Structures, to Low-Frequency Horizontal Motion (0.063 Hz to 1 Hz) ◆	ISO 6897 1984	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Experiments, Safety	Guide to Safety Aspects of Experiments in which People Are Exposed to Mechanical Vibration and Shock ◆◆	BS 7085 1989	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
General	Human Mechanical Impact Response Characteristics - Dynamic Response of the Human Abdomen ◆	SAE J1460/1 2000	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Hand	Measurement and Evaluation of the Vibration Transmissibility of Gloves at the Palm of the Hand ◆	ANSI S3.40 2002	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Guide for the Measurement and Evaluation of Human Exposure to Vibration Transmitted to the Hand ◆	ANSI S3.34 1986	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Measurement and Evaluation of Human Exposure to Vibration Transmitted to the Hand	BS 4842 1984	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Mechanical Vibration - Guidelines for the Measurement and the Assessment of Human Exposure to Hand-Transmitted Vibration	CEN ENV 25349 1993	<a href="http://www.techstreet.com/">http://www.techstreet.com/</a> <a href="http://www.cenorm.be/">http://www.cenorm.be/</a>
	Mechanical Vibration – Measurement and Evaluation of Human Exposure to Hand-Transmitted Vibration, Part 1: General Requirements	ISO 5349-1 2001	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

	As above, Part 2: Practical Guidance for Measurement at the Workplace	ISO 5349-2 2001	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Method of Measurement and Description of Hand-Transmitted Vibration Level ♦♦	JIS B4900 1986	<a href="http://www.jsa.or.jp/default_english.asp">http://www.jsa.or.jp/default_english.asp</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Hand-Arm	Mechanical Vibration and Shock - Hand-Arm Vibration - Method for the Measurement and Evaluation of the Vibration Transmissibility of Gloves at the Palm of the Hand ♦♦	ISO 10819 1996	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Mechanical Vibration and Shock - Hand-Arm Vibration - Method for the Measurement and Evaluation of the Vibration Transmissibility of Gloves at the Palm of the Hand ♦♦	CEN PREN 30819	<a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a> <a href="http://www.cenorm.be/">http://www.cenorm.be/</a>
Head	Test Device Head Contact Duration Analysis ♦	SAE J2052 1997	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Impact Conditions	Human Tolerance to Impact Conditions as Related to Motor Vehicle Design ♦	SAE J885 1986	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Impedance, Body	Mechanical Vibration and Shock - Range of Idealized Values to Characterize Seated-Body Biodynamic Response Under Vertical Vibration ♦	ISO 5982 2001	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Instrumentation	Human Response to Vibration - Measuring Instrumentation ♦♦	BS DD ENV 28041 1993	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	1993 Human Response to Vibration - Measuring Instrumentation ♦♦	CEN ENV 28041 1993	<a href="http://www.cenorm.be/">http://www.cenorm.be/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Human Response to Vibration - Measuring Instrumentation ♦	ISO 8041 1990	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Methods for Calibration of Shock and Vibration Pickups	ANSI S2.2 1959	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Instrumentation for the Measurement of Vibration Exposure of Human Beings Part 1: Specification for General Requirements for Instrumentation for Measuring the Vibration Applied to Human Beings ♦♦	BS 7482-1 1991	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

	As above, Part 2: Specification for Instrumentation for Measuring Vibration Transmitted to the Hand ◆◆	BS 7482-2 1991	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Vibration and Shock - Human Response Vibration-Measuring Instrumentation	AS 2973 1987	<a href="http://www.standards.com.au/catalogue/script/search.asp">http://www.standards.com.au/catalogue/script/search.asp</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Measurement	Agricultural Wheeled Tractors - Operator's Seat - Laboratory Measurement of Transmitted Vibration ◆	ISO 5007 1990	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Agricultural Wheeled Tractors - Operator's Seat - Laboratory Measurement of Transmitted Vibration ◆	CAN/CSA M5007 1999	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Road Vehicles - Procedures for H- and R-Point Determination ◆	ISO 6549 1999	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Seat	Earth-Moving Machinery - Laboratory Evaluation of Operator Seat Vibration ◆	ISO 7096 2000	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Earth-Moving Machinery - Laboratory Evaluation of Operator's Seat Vibration ◆	CAN/CSA- M7096 2000	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Terminology	Mechanical Vibration and Shock Affecting Man - Vocabulary ◆	ANSI S3.32 1982	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Mechanical Vibration and Shock - Human Exposure - Vocabulary ◆◆	ISO 5805 1997	<b>H</b> <a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Whole Body	Guide to Measurement and Evaluation of Human Exposure to Whole-Body Mechanical Vibration and Repeated Shock ◆◆	BS 6841 1987	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Agricultural Wheeled Tractors and Field Machinery - Measurement of Whole Body Vibration of the Operator	ISO 5008 2002	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Evaluation of Human Exposure to Whole-Body Vibration	ANSI S3.18 2002	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Evaluation of Human Exposure to Whole-Body Vibration - Part 1: General Requirements	ISO 2631-1 1997	<b>H</b> <a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>

	As above - Part 2: Continuous and Shock-Induced Vibration in Buildings (1 - 80 Hz)	ISO 2631-2 1989	<b>H</b>	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Measurement of Whole Body Vibration of the Seated Operator of Off-Highway Work Machines ◆	SAE J1013 1992		<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Testing of Mobile Machinery in Order to Determine the Whole-Body Vibration Emission Value - General ◆◆	EN 1032 1996		<a href="http://www.cenorm.be/">http://www.cenorm.be/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

### View, Visibility

Driver's	Describing and Measuring the Driver's Field of View ◆	SAE J1050 1994	<b>D</b>	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Motor Vehicle Driver's Eye Locations	SAE J941 1997	<b>D</b>	<a href="http://www.techstreet.com/">http://www.techstreet.com/</a> <a href="http://www.ansi.org/">http://www.ansi.org/</a>
Passenger Cars	Passenger Cars - Verification of Driver's Direct Field of View - Part 1: Vehicle Positioning for Static Measurement ◆	ISO 7397-1 1993		<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Passenger Cars - Verification of Driver's Direct Field of View - Part 2: Test Method ◆	ISO 7397-2 1993		<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Road Vehicles	Road Vehicles - Visibility - Method for Establishment of Ellipses for Driver's Eye Location ◆	ISO 4513 1978		<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

### Vision Systems

	Human Engineering Issues for Enhanced Vision Systems ◆	SAE ARD 50019 1995	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
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### Visual Display Terminals

Colors	Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs) - Part 8: Requirement for Displayed Colours ◆	ISO 9241-8 1997	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Command Dialogues	As above - Part 15: Command Dialogues ◆	ISO 9241-15 1997	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

Dialogue Principles	As above - Part 10: Dialogue Principles ◆	ISO 9241-10 1996	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Direct Manipulation	Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs) - Part 16: Direct Manipulation Dialogues	ISO 9241-16 1999	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Display, Visual	Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs) - Part 3: Visual Display Requirements ◆◆	BS EN 29241-3 1993	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs) - Part 3: Visual Display Requirements ◆	ISO 9241-3 1992	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs) - Part 3: Visual Display Requirements ◆	JTC1 9241-3 2000	<a href="http://www.jtc1.org/">http://www.jtc1.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs) - Part 7: Requirements for Displays with Reflections ◆	ISO 9241-7 1998	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Environment	Ergonomics of Design and Use of Visual Display Terminals (VDTs) in Offices, Part 6: Guidance on the Work Environment	BS EN ISO 9241-6 2000	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs) - Part 6: Guidance on the Work Environment	ISO 9241-6 1999	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Flat Panel Technology	Ergonomic Requirements for Work with Visual Displays Based on Flat Panels - Part 1: Introduction	ISO 13406-1 1999	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	As above - Part 2: Ergonomic Requirements for Flat Panel Displays	ISO 13406-2 2001	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Form-Filling	Ergonomics of Design and Use of Visual Display Terminals (VDTs) - Part 17: Form Filling Dialogues	ISO 9241-17 1998	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
General	Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs) - Part 2: Guidelines on Task Requirements	CEN EN 29241-2 1993	<a href="http://www.cenorm.be/">http://www.cenorm.be/</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>

	Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs) - Part 2: Guidance on Task Requirements ◆	ISO 9241-2 1992	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Accommodating User Needs in Computer Program Development ◆	ANSI/ANS 10.5 1994	<a href="http://www.ans.org/">http://www.ans.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Information	Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs) - Part 12: Presentation of Information	ISO 9241-12 1998	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Interactive Systems	Human-Centered Design Processes for Interactive Systems	ISO 13407 1999	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Keyboards	Ergonomics of Design and Use of Visual Display Terminals (VDTs) in Offices, Part 4: Keyboards ◆	BS EN ISO 9241-4 1998	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs) - Part 4 Keyboard Requirements ◆	ISO 9241-4 1998	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	As above - Part 9: Requirements for Non-Keyboard Input Devices ◆	ISO 9241-9 2000	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Keyboard Arrangement for Alphanumeric Machines ◆	ANSI X3.154 1987	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Office Machines and Supplies - Alphanumeric Machines - Alternative Keyboard Arrangement ◆	ANSI X3.207 1991	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Menu Dialogues	Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs) - Part 14: Menu Dialogues ◆	ISO 9241-14 1997	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Public Terminals	Human Factors Aspects of Public Terminals: Generic Operating Procedures ◆	ITU-T Recommendation E.134 1993	<a href="http://www.itu.int/home/index.html">http://www.itu.int/home/index.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Minimum User-Terminal Interface for a Human User Entering Address Information into an ISDN Terminal ◆	ITU-T Recommendation E.331 1991	<a href="http://www.itu.int/home/index.html">http://www.itu.int/home/index.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Safety	Information Technology Equipment – Safety – Part 1: General Requirements ◆	IEC 60950-1 2001	<a href="http://www.iec.ch/">http://www.iec.ch/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

Tasks	Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs) - Part 2: Guidance on Task Requirements ◆	BS EN 29241-2 1993	<a href="http://www.bsi-ssglobal.com/index.xalter">http://www.bsi-ssglobal.com/index.xalter</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
	Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs) - Part 2: Guidance on Task Requirements ◆	ISO 9241-2 1992	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
	Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs) - Part 2: Guidance on Task Requirements ◆	JTC1 9241-2 1992	<a href="http://www.jtc1.org/">http://www.jtc1.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Usability and Testing	Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs) - Part 11: Guidance on Usability ◆	ISO 9241-11 1998	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
User Guidance	As above - Part 13: User Guidance ◆	ISO 9241-13 1998	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Work Stations and Workplaces	Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs) -Part 5: Workplace Layout and Postural Requirements ◆	ISO 9241-5 1998	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
<b>Workload, Mental</b>			
Design Principles	Ergonomic Principles Related to Mental Workload - Part 2: Design Principles	ISO 10075-2 1996	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Terminology	Ergonomic Principles Related to Mental Workload - General Terms and Definitions	ISO 10075 1991	<a href="http://www.iso.ch/iso/en/prods-services/ISOstore/store.html">http://www.iso.ch/iso/en/prods-services/ISOstore/store.html</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
<b>Workspace</b>			
Aircraft	Flight Deck Layout and Facilities ◆	SAE ARP 4101 1988	<a href="http://www.ansi.org/">http://www.ansi.org/</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>
Machinery	Earth-Moving Machinery - Human Physical Dimensions of Operators and Minimum Operator Space Envelope	CAN/CSA- M3411 2000	<a href="http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp">http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
Machines, Off-Road	Operator Space Envelope Dimensions for Off-Road Machines ◆	SAE J154 1992	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a> <a href="http://standards.nasa.gov/NPTS/login.taf">http://standards.nasa.gov/NPTS/login.taf</a>

Office	Guideline on Office Ergonomics	CSA Z412 2000	<a href="http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp">http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp</a> <a href="http://www.techstreet.com/">http://www.techstreet.com/</a>
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<b>DRAFT STANDARDS</b>		
<b>Anthropometry and Biomechanics</b>	Manual Handling - Part 1: Lifting and Carrying	ISO/CD 11228-1 Still in draft; not available
	Manual Handling - Part 2: Pushing and Pulling	ISO/CD 11228-2 Still in draft; not available
	Manual Handling - Part 3: Handling, at High Repetition, of Low Loads	ISO/CD 11228-3 Still in draft; not available
<b>Computer Workstations</b>	Human Factors Engineering of Computer Workstations	HFES 100 Issued March 2002 as a Draft Standard for Trial Use for a period not to exceed 36 months
<b>Control Rooms</b>	Ergonomic Design of Control Centers - Part 5: Displays and Controls	ISO/WD 11064-5 Still in draft form; not available
	Ergonomic Design of Control Centers - Part 6: Environmental Requirements for Control Centers	ISO/CD 11064-6 Still in draft form; available
	Ergonomic Design of Control Centers - Part 7: Principles for the Evaluation of Control Centers	ISO/WD 11064-7 Still in draft form; available
	Ergonomic Design of Control Centers - Part 7: Principles for the Evaluation of Control Centers	ISO/WD 11064-7 Still in draft form; available
	Ergonomic Design of Control Centers - Part 4: Workstation Layout and Dimensions	ISO/WD 11064-4 Still in draft form; not available
<b>Controls</b>	Ergonomic Requirements for the Design of Signals and Control Actuators - Part 3: Control Actuators	ISO/CD 9355-3 Still in draft form; not available
<b>Nuclear Power</b>	Guide for the Application of Human Factors Engineering in the Design of Computer-Based Monitoring and Control Displays for Nuclear Power Generating Stations	IEEE P1289 Still in draft form
	IEEE Guide to Evaluation of Man-Machine Performance in Nuclear Power Generating Station Control Rooms and Other Peripheries.	IEEE-Std 845 Still in draft form
<b>Performance, Human</b>	Manager's Guide to Reducing Human Errors	CMA 022006 Still in draft form
<b>Sound, Noise, Bioacoustics</b>	Ergonomic Assessment of Speech Communication - Part 2: Assessment of Speech Communication by means of the Modified Articulation Index (MAI Method)	ISO/CD 9921-2 Still in draft form

**ORGANIZATIONAL ABBREVIATIONS/ LINKS TO WEBSITE**  
*(ORGANIZATION PHYSICAL ADDRESS WHERE AVAILABLE)*

AAMI	Association for the Advancement of Medical Instrumentation (1110 North Glebe Road, Suite 220, Arlington, VA 22201-4796)	<a href="http://www.aami.org/">http://www.aami.org/</a>
ACGIH	American Conference of Governmental Industrial Hygienists (1330 Kemper Meadow Drive, Cincinnati, OH 45240)	<a href="http://www.acgih.org/home.htm">http://www.acgih.org/home.htm</a>
AIAA	American Institute of Aeronautics and Astronautics (1801 Alexander Bell Drive, Suite 500, Reston, VA 20191-4344)	<a href="http://www.aiaa.org">http://www.aiaa.org</a>
AICHE	American Institute of Chemical Engineers (3 Park Avenue, New York, NY 10016-5991)	<a href="http://www.aiche.org/">http://www.aiche.org/</a>
ANS	American Nuclear Society (555 North Kensington Avenue, LaGrange Park, IL 60526)	<a href="http://www.ans.org/">http://www.ans.org/</a>
ANSI	American National Standards Institute (1819 L Street, NW, Washington, DC 20036)	<a href="http://www.ansi.org/">http://www.ansi.org/</a>
API	American Petroleum Institute (1220 L Street NW, Washington, DC 20005-4070)	<a href="http://api-ec.api.org/">http://api-ec.api.org/</a>
AS	Australian Standard	<a href="http://www.standards.com.au/catalogue/script/search.asp">http://www.standards.com.au/catalogue/script/search.asp</a>
ASME	American Society of Mechanical Engineers	<a href="http://www.asme.org/">http://www.asme.org/</a>
ASTM	American Society for Testing and Materials (100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428-2959)	<a href="http://www.astm.org/cgi-bin/SoftCart.exe/index.shtml?E+mystore">http://www.astm.org/cgi-bin/SoftCart.exe/index.shtml?E+mystore</a>
BS	British Standard	<a href="http://www.bsi-global.com/index.xalter">http://www.bsi-global.com/index.xalter</a>
CEN	European Committee for Standardization (EN = European Normalisation)	<a href="http://www.cenorm.be/">http://www.cenorm.be/</a>
CENELEC	European Committee for Electrotechnical Standardization	<a href="http://www.cenelec.org/">http://www.cenelec.org/</a>
CIE	Commission Internationale de l'Eclairage	<a href="http://members.eunet.at/cie/">http://members.eunet.at/cie/</a>
CSA	Canadian Standards Association	<a href="http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp">http://www.csa.ca/language/default.asp?thisUrl=%2FDefault%2Easp</a>
DIN	Deutsches Institut für Normung	<a href="http://www2.din.de/">http://www2.din.de/</a>
EIA	Electronic Industries Alliance (2500 Wilson Blvd., Alexandria, VA 22201)	<a href="http://www.eia.org/">http://www.eia.org/</a>
EN	European Norm	<a href="http://www.etsi.org/">http://www.etsi.org/</a>

ETSI	European Telecommunications Standardization Institute	<a href="http://www.etsi.org/">http://www.etsi.org/</a>
HFES	Human Factors and Ergonomics Society (P.O. Box 1369, Santa Monica, CA 90406-1369)	<a href="http://hfes.org/">http://hfes.org/</a>
IEC	International Electrotechnical Commission	<a href="http://www.iec.ch/">http://www.iec.ch/</a>
IEEE	Institute of Electrical and Electronics Engineers (445 Hoes Lane, Piscataway, NY 08854-1331)	<a href="http://www.ieee.org/portal/index.jsp">http://www.ieee.org/portal/index.jsp</a>
IESNA	Illuminating Engineering Society of North America (120 Wall Street, Floor 17, New York, NY 10005)	<a href="http://www.iesna.org/">http://www.iesna.org/</a>
ISA	Instrumentation, Systems, and Automation Society	<a href="http://www.isa.org/">http://www.isa.org/</a>
ISO	International Organization for Standardization	<a href="http://www.iso.ch/iso/en/prods-services/ISOSTore/store.html">http://www.iso.ch/iso/en/prods-services/ISOSTore/store.html</a>
ITU	International Telecommunication Union	<a href="http://www.itu.int/home/index.html">http://www.itu.int/home/index.html</a>
JIS	Japanese Industrial Standard	<a href="http://www.jsa.or.jp/default_english.asp">http://www.jsa.or.jp/default_english.asp</a>
JTC 1	ISO/IEC Joint Technical Committee for Standards in Information Technology	<a href="http://www.jtc1.org/">http://www.jtc1.org/</a>
NEMA	National Electrical Manufacturers Association (1300 N. 17 <sup>th</sup> Street, Suite 1847, Rosslyn, VA 22209)	<a href="http://www.nema.org/">http://www.nema.org/</a>
NFPA	National Fire Protection Association (1 Batterymarch Park, PO Box 9101, Quincy, MA 02269-9101)	<a href="http://www.nfpa.org/Home/index.asp">http://www.nfpa.org/Home/index.asp</a>
PREN	Preliminary Release of European Norm	<a href="http://www.etsi.org/">http://www.etsi.org/</a>
RIA	Robotics Industries Association (900 Victors Way, Suite 140, PO Box 3724, Ann Arbor, MI 48106)	<a href="http://www.robotics.org/">http://www.robotics.org/</a>
SAE	Society of Automotive Engineers (400 Commonwealth Drive, Warrendale, PA 15096-0001)	<a href="http://www.sae.org/servlets/index">http://www.sae.org/servlets/index</a>

## INDEX

<b>SUBJECT</b>	<b>PAGE</b>	<b>SUBJECT</b>	<b>PAGE</b>
Access	1	Medical Devices	11
Anthropometry & Biomechanics	2	Nuclear Power	11
Atmospheric Environment	3	Performance, Human	11
Clothing	3	Reliability, Human	11
Collision Avoidance	3	Robotics	11
Color and Marking	3	Safety/Health/Protection	11
Communication	4	Seating	14
Control Rooms	5	Ships	15
Controls	6	Sound/Noise/Bioacoustics	15
Controls & Displays	7	Strength	19
Displays	7	Symbols	19
Elderly/Impaired Users	8	Thermal Environment	20
Ergonomics/Human Engineering	8	Ventilation/Airflow	22
Furniture	9	Vibration/Shock	22
Human Error	9	View, Visibility	25
Identification	9	Vision Systems	26
Information Systems	10	Visual Display Terminals	26
Lighting	10	Workload, Mental	28
Marking	11	Workspace	28